



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/005,217-Conf. #8598
				Filing Date	December 5, 2001
				First Named Inventor	Peter Gaidarev
				Art Unit	3713
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	104704-0008

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PSM	AA	US-5,758,328	05-26-1998	Giovannoli	
PSM	AB	US-5,765,143	06-09-1998	Sheldon et al.	
PSM	AC	US-6,253,187-B1	06-26-2001	Fox	
PSM	AD	US-6,397,197-B1	05-28-2002	Gindlesperger	

**RECEIVED**  
**SEP 22 2003**  
**TECHNOLOGY CENTER R3700**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

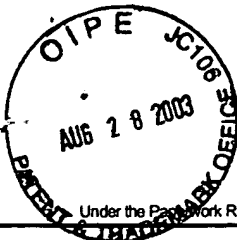
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	12/13/03
-----------------------	--	--------------------	----------



PTO/SB/08a/b (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/005,217-Conf. #8598
				Filing Date	December 5, 2001
				First Named Inventor	Peter Gaidarev
				Art Unit	3713
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	104704-0008

**RECEIVED**  
**SEP 08 2003**  
**TECHNOLOGY CENTER R3700**

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
RJM	AA	US-5,974,396	10-26-1999	Anderson et al.	
RJM	AB	US-2001/0044766-A1	11-22-2001	Keyes	
RJM	AC	US-2001/0014868-A1	08-16-2001	Herz et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	SAS/STAT User's Guide, Version 8 (SAS Publishing: 1999) pp. 1-129.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	12/13/03
-----------------------	--	--------------------	----------

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO:  
0104704-00008APPLICATION  
10/005,217APPLICANT(S):  
Gaidarev et al.FILING DATE:  
12/5/2001GROUP ART UNIT:  
3713

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE *
RJM	5 2 3 7 4 9 6	8/1993	Kagami et al.			
RJM	5 2 3 7 4 9 8	8/1993	Tenma et al.			
RJM	5 4 5 0 3 1 4	9/1995	Kagami et al.			
RJM	5 9 3 3 8 1 3	8/1999	Teicher et al.			
RJM	5 9 6 3 9 1 9	10/1999	Brinkley et al.			
RJM	6 0 0 6 1 9 6	12/21/1999	Feigin et al.			
RJM	6 0 0 9 4 0 7	12/1999	Garg, Amit			
RJM	6 0 6 1 6 9 1	5/2000	Fox			
RJM	6 1 5 1 5 8 2	11/2000	Huang et al.			
RJM	6 2 0 5 4 3 1	3/2001	Willemain et al.			
RJM	6 2 3 0 1 5 0	5/2001	Walker et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
WO 02/29696 A1	4/2002	PCT			
WO 90/09638 A1	8/1990	PCT			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RJM	Ackerman, Jerry, "Looking Back to Fashion's Future," The Boston Globe 10/07/1998 [retrieved 01/07/03], 3 pages, retrieved from: archive.org and Google.com
RJM	Agrawal, Rakesh et al. "Fast Similarity Search in the Presence of Noise, Scaling, and Translation in Time-Series Databases," Proceedings of the 21st International Conference on Very Large Data Bases Sept. 11-15, 1995.
RJM	Datz, Todd, "Pythagorean Pantsuits-Modeling Merchandise," CIO Magazine, 02/15/1999 [retrieved 01/07/03], 1 page, retrieved from Google.com and archive.org.
RJM	Gaffney, Scott and Padhraic Smyth, "Trajectory Clustering with Mixtures of Regression Models," Proceedings: The Fifth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining August 15-18-1999, pp. 63-72.

Examiner

Date Considered:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

1207621\_1.DOC

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO:  
0104704-00008APPLICATION  
10/005,217

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT(S):  
Gaidarev et al.FILING DATE:  
12/5/2001GROUP ART UNIT:  
3713

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE *
RJM	6 3 4 1 2 6 9	1/2002	Dulaney et al.			
RJM	6 3 6 6 8 9 0	4/2002	Usrey			
RJM	6 4 9 3 6 7 8	12/2002	Foster et al.			

## U.S. PATENT PUBLICATIONS

RJM	US-2001/0047293	11/2001	Waller et al.			
RJM	US-2002/0022985	02/2002	Guidice et al.			
RJM	US-2002/0029176	03/2002	Carlson et al.			
RJM	US-2002/0072977	06/2002	Hoblitt et al.			

## FOREIGN PATENT DOCUMENTS

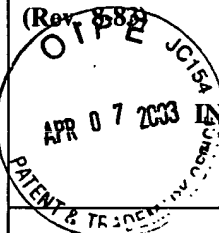
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

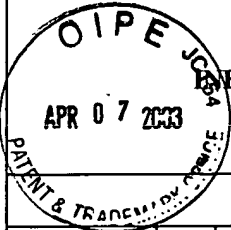
## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RJM	"Gymboree Selects TSI to Design and Implement Inventory Optimization and Pricing Solution," TSI Press Release, 01/13/1999 [retrieved 01/07/03], 2 pages, retrieved from: Google.com and archive.com.
RJM	Jain, Anil K. and Richard C. Dubes, Algorithms for Clustering Data (Prentice Hall: 1988) pp. ix-xi, 1-30.
RJM	Keogh, Eamonn and Padhraic Smyth, "A Probabilistic Approach to Fast Pattern Matching in Time Series Databases," Proceedings of the Third Conference in Knowledge Discovery in Databases and Data Mining (1997).
RJM	Keogh, Eamonn J. and Michael J. Pazzani, "An Enhanced Representation of Time Series Which Allows Fast and Accurate Classification, Clustering and Relevance Feedback," Fourth Conference on Knowledge Discovery in Databases and Data Mining (1998) pp. 239-243.
RJM	Keogh, Eamonn J. and Michael J. Pazzani, "Relevance Feedback Retrieval of Time Series Data," 22nd International Conference on Research and Development in Information Retrieval, August 1999.
RJM	Keogh, Eamonn, "A Fast and Robust Method for Pattern Matching in Time Series Databases," Proceedings of WUSS (1997).
Examiner	Date Considered: <i>Reh Mf</i> 12/13/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

1207621\_1.DOC

Form PTO-1449 (Rev. 8-82)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO: 0104704-00008		APPLICATION 10/005,217	
		INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT(S): Gaidarev et al.		FILING DATE: 12/5/2001	
				GROUP ART UNIT: 3713			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE *
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>							
RJM	\	Koloszyc, Ginger, "Merchants Try Complex Mathematical Tools to Improve Inventory Decisions," <u>Stores Magazine</u> 11/1999 [retrieved 01/07/03], 3 pages, retrieved from: Google.com and archive.org.					
RJM	\	Kopalle, Praveen K. et al. "The Dynamic Effect of Discounting on Sales: Empirical Analysis and Normative Pricing Implications," <u>Marketing Science</u> 18:3 (1999) 317-332.					
RJM	\	Levy, Michael R. and Woo, Jonathan, Ph.D. "Yield Management in Retail: The Application of Advanced Mathematics to the Retail Pricing Dilemma," TSI (Marketing Materials), 1999.					
RJM	\	Makridakis, Spyros, "Forecasting," copyright 1997, John Wiley & Sons, Inc., pp. 312, 373-374					
RJM	\	Merritt, Jennifer, "Company makes Science out of Shopping Trends," <u>Boston Business Journal</u> 09/03/1998 [retrieved on 01/07/03], 3 pages, retrieved from: Google.com and archive.org.					
RJM	\	Rice, John A. "Mathematical Statistics and Data Analysis," 2nd Ed. Duxbury Press pp. xiii-xx, 1-30.					
RJM	\	Screenshots of Technology Strategy, Inc., www.grossprofit.com, 03/02/2000 [retrieved on 01-07/03], 9 pages, retrieved from: Google.com and archive.org.					
RJM	\	Silva-Risso, Jorge M. et al. "A Decision Support System for Planning Manufacturers' Sales Promotion Calendars," <u>Marketing Science</u> 18:3 (1999) 274-300.					
RJM	\	Smith, Stephen A. and Achabal, Dale D. "Clearance Pricing and Inventory Policies for Retail Chains," <u>Management Science</u> 44:3 (March 1998), pp. 285-300.					
Examiner		Date Considered: <i>Rudolf</i> 12/13/03					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.							

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO:  
0104704-00008APPLICATION  
10/005,217

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT(S):  
Gaidarev et al.FILING DATE:  
12/5/2001GROUP ART UNIT:  
3713

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE *

RECEIVED  
APR 08 2003  
TECHNOLOGY CENTER R3700

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

RJM	"Special Feature: Alliances of Accenture: Accenture, Profitlogic team helps retailers enhance sales," <u>Businessworld</u> (Feb. 5, 2001).
RJM	Technology Strategy, Inc., company marketing materials, copyright 1991, Technology Strategy, Inc.
RJM	Technology Strategy, Inc., company marketing materials, copyright 1998, Technology Strategy, Inc.
RJM	"Technology Strategy, Inc. Names Jonathan Woo as Director of R&D," TSI Press Release, 07/15/1998 [retrieved 01/07/03], 1 pages, retrieved from: Google.com and archive.org.
RJM	"Wal-mart: Retailer of the Century: High-Tech Complements Human Touch," <u>Discount Store News</u> 10/11/1999 [retrieved 06/26/02], 3 pages, retrieved from: www.lexus.com.
RJM	Wang, Qinan and Wu, Zhang, "Improving a supplier's quantity discount gain from many different buyers," <u>IIE Transactions</u> Vol. 32 (2000) 1071-1079.
Examiner	Date Considered: <i>[Signature]</i> 12/13/03
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

1207621\_1.DOC